

## INFORMATION REPORT INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

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1. The high-vacuum department of the Ministry of Post and Telecommunications' Central Institute for Wireless Engineering (Zentralinstitut fuer Funktechnik-ZIFT), Berlin-Adlershof, with its staff, under the leadership of Dipl. Ing. Walter Hass, was separated from ZIFT and placed under the control of VEB Werk fuer Fernmeldewesen WF in January 1955. It was decided that Hass' responsibilities should be limited to television-camera tube development and that he should be placed directly under the supervision of Director Rudi Mueller. Hass refused to accept this restriction of his activities and gave notice during February; a group of two engineers and two technicians under the leadership of Mauer (fnu) is to be transferred from other departments of the WF Plant to take over the production of flat-surface iconoscopes (Riesel-ikonoskope).
2. The current production of the department consists of:
  - a. About 30 supericonoscopes and flat-surface iconoscopes per month; with the vacuum pumps at present available, this figure could not possibly be increased above 50.
  - b. About 60 electron multipliers per month.
3. The entire production of these instruments is taken by the television center at Berlin-Adlershof. During the first week of March 1955, the center ordered 110 flat-surface iconoscopes. Early in 1954, Hass suggested to the ministry that television-camera tubes should be produced for export. The only country which showed any interest at all was Czechoslovakia, but none were exported there.
4. Current development tasks in the department consist of:
  - a. Image orthicons. Five have been completed and are considered, on the whole, to be satisfactory; however, the picture is not uniformly illuminated and spots appear now and again.

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- b. Vidicons. Three have been completed, and Hass intended to set up an industrial television equipment with a vidicon for exhibition at the Leipzig Fair, but the WF Plant apparently turned down the suggestion.
- c. Larger picture tubes. Larger tubes for television receivers with rectangular screens (Kolben) are to be developed and then mass-produced.

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- d. Large projector. A large projector is to be developed for use in moving-picture theaters and public halls.
- e. Infrared image converters. This development task was begun early in 1954, and 3 tubes were delivered to the Institute for the Study of Radiation Sources in the former OSRAM building in Berlin O 17, Warschauerplatz 9-10. The institute is believed to have built the equipment into which the tubes were fitted for testing.

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